



# Public Notice

U.S. Army Corps of Engineers, Norfolk District

14 July 2006

CENAO-TS-REG  
06-V1574-75

## FEDERAL PUBLIC NOTICE

The District Engineer and the Virginia Department of Environmental Quality have received a joint application for Federal and State permits as described below:

Rivanna Water & Sewer Authority  
Attn: Mr. Thomas L. Frederick, Jr., Executive Director  
695 Moores Creek Lane  
Charlottesville, VA 22902-9016

WATERWAY AND LOCATION OF THE PROPOSED WORK: At the Ragged Mountain Reservoir and between State Routes 29, 250 and I-64 from the Ragged Mountain Reservoir to the South Fork Rivanna Reservoir in Albemarle County, Virginia.

PROPOSED WORK AND PURPOSE: The applicant proposes to expand the existing Ragged Mountain Reservoir (RMR) and construct a new raw water intake and pipeline from the South Fork Rivanna Reservoir (SFRR) to RMR. The purpose of the project is to provide water for the Rivanna Water & Sewer Authority service area to meet demands through 2055. Construction of the new RMR dam and the resulting inundation will permanently impact 14,033 linear feet of waters of the U. S. (WOUS) and 2.61 acres of forested (0.81 acres of PFO), scrub-shrub (0.07 acres of PSS) and emergent (1.73 acres of PEM) wetlands established around the perimeter of the existing reservoir, and 0.06 acres of open water in the SFRR. The pipeline will result in temporary disturbance to 668 linear feet of WOUS and 0.04 acres of emergent wetlands due to 25 separate pipeline crossings between SFRR and RMR.

PROPOSED MITIGATION TO OFFSET UNAVOIDABLE IMPACTS: Implementation of the Ragged Mountain Expansion project will produce unavoidable impacts. RWSA has initiated an expansive planning process to identify an acceptable compensatory mitigation strategy. This may include urban stream channel improvements, dam removal, restoration of floodplain areas and preservation and enhancement of riparian corridors. A final plan will be developed and submitted in support of the Ragged Mountain Expansion joint permit application for state and federal approval.

AUTHORITY: Permits are required pursuant to Sections 401 and 404 of the Clean Water Act (Public Law 95-217) and Title 62.1 of the Code of Virginia.

FEDERAL EVALUATION OF APPLICATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected from the proposal must be balanced against its reasonably foreseeable detriments. All of the proposal's

relevant factors will be considered, including conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use classification, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people. The Environmental Protection Agency's "Guidelines for Specification of Disposal Sites for Dredged or Fill Material" will also be applied (Section 404(b)(1) of the Clean Water Act).

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Anyone may request a public hearing to consider this permit application by writing to the District Engineer within 30 days of the date of this notice, stating specific reasons for holding the public hearing. The District Engineer will then decide if a hearing should be held.

Preliminary review indicates that:

(1) No environmental impact statement will be required;

(2) According to the U. S. Fish & Wildlife Service and the Virginia Department of Game & Inland Fisheries, species of potential concern in the project area include the Peregrine falcon and the Loggerhead shrike. In addition, the potential for the presence of James spiny mussel habitat downstream from the dam was assessed during an on-site visit with the DGIF & FWS. The stream channel was deemed inadequate spiny mussel habitat. FWS has also noted that a habitat for the Indiana Bat (*Myotis sodalis*) may occur within the upland forest adjacent to the RMR;

(3) There is one recorded architectural resource within the vicinity of the RMR; the Jim Newell Farm, ca. 1770 (VDHR No. 002-1170); however, this resource is outside the anticipated project Area of Potential Effect (APE) and would not be directly or indirectly affected by the project. The field investigation identified two unrecorded early-twentieth century architectural resources within the APE, the former Gate House of the dam, and the caretaker's house. There are no previously recorded archaeological resources within the project vicinity; however, additional information might change any of these findings.

For compliance with the Coastal Zone Management Act of 1972, as amended, the applicant must certify that federally licensed or permitted activities affecting Virginia's coastal zone (Tidewater) will be conducted in a manner consistent with the Virginia Coastal Resources Management Program (VCP). For more information or to obtain a list of the enforceable programs of the VCP, contact the Department of Environmental Quality, Office of Environmental Impact Review at (804) 698-4330 or e-mail: [elirons@deq.virginia.gov](mailto:elirons@deq.virginia.gov).

**STATE EVALUATION OF APPLICATION:** To comply with Section 401 of the Clean Water Act (the Act), any applicant for a Corps permit for a proposal which may result in a discharge to State waters must provide the Corps with a certification from the Virginia Department of Environmental Quality (DEQ). The DEQ must certify that water quality will be maintained in accordance with State Water Control Law (state law) and that the activity will comply with the

applicable provisions of Sections 301, 302, 303, and 306 and 307 of the Act. A certification must set forth any effluent limitations and other limitations, conditions and/or requirements needed to assure compliance with the Act itself and with other appropriate requirements of state law. In Virginia, the 401 Water Quality Certification is issued as a Virginia Water Protection Permit.

COMMENT PERIOD: Comments on this project should be made in writing, addressed to the Norfolk District, Corps of Engineers (ATTN: CENAO-TS-REG), 186 Mill Lane, Staunton, VA 24401, and should be received by the close of business on **August 14, 2006**. Copies will be forwarded to the DEQ.

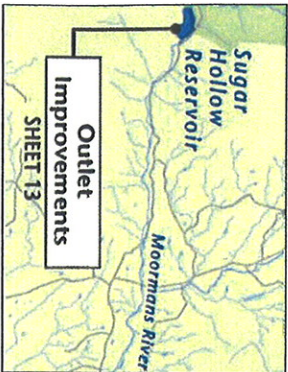
If you have any questions about this project or the permit process, call one of the following people:

U. S. Army Corps of Engineers  
James Brogdon 540-886-4221

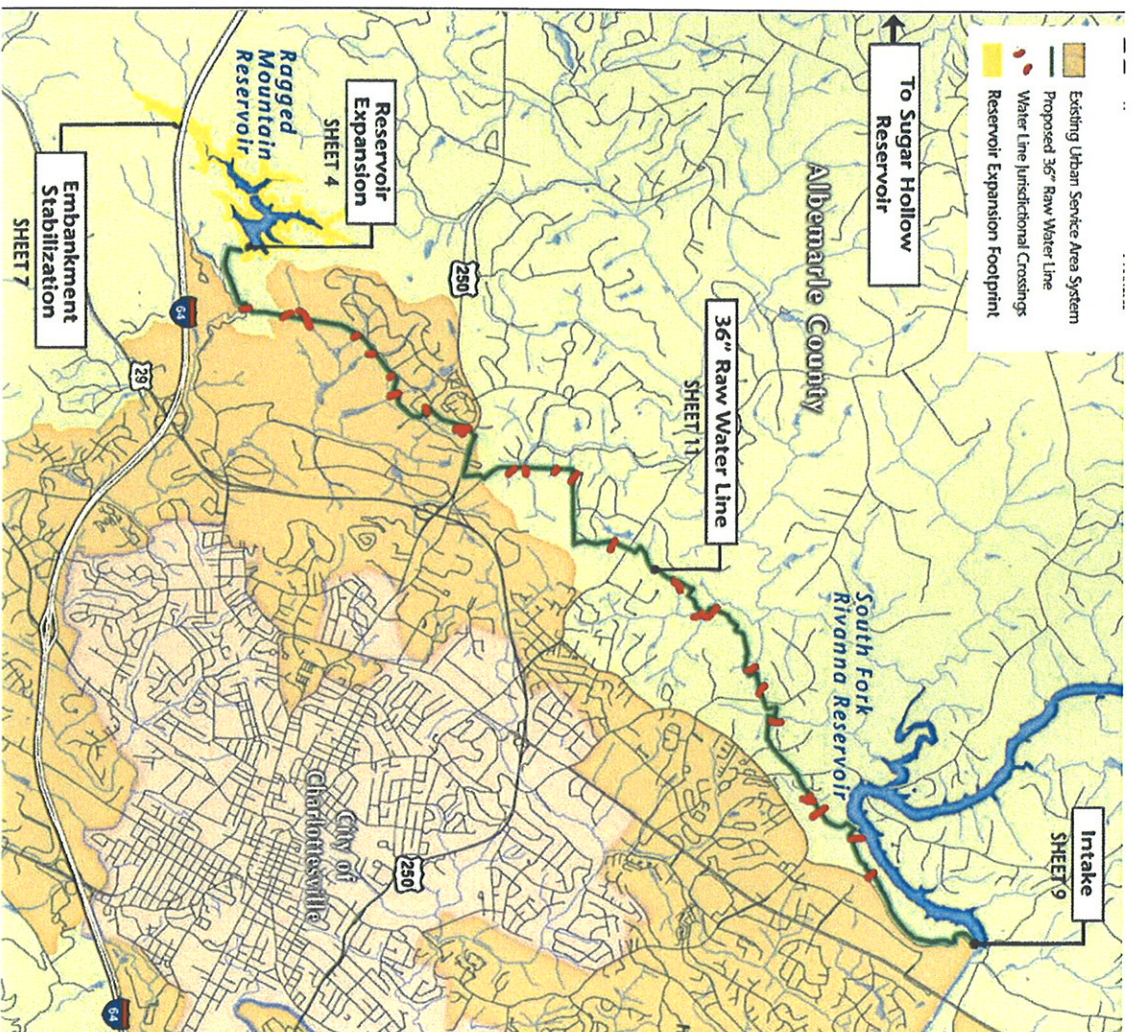
FOR THE DISTRICT ENGINEER:

Michael A. Schwinn  
Chief, Western Virginia  
Regulatory Section

Attachment: Drawings



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SCALE IN FEET



0 6,000  
SCALE IN FEET

**VHB**

Vanasse Hangen Brustlin, Inc.  
Williamsburg, Virginia 23185

**Gannett Fleming**

FARFAX, VA 22033

**ADJACENT PROPERTY OWNERS:**

1. SEE LIST

**RIVANNA WATER & SEWER AUTHORITY  
COMMUNITY WATER SUPPLY PROJECT  
PROJECT OVERVIEW - INDEX SHEET**

**AT: RAGGED MOUNTAIN RESERVOIR**

**IN: ALBEMARLE COUNTY**

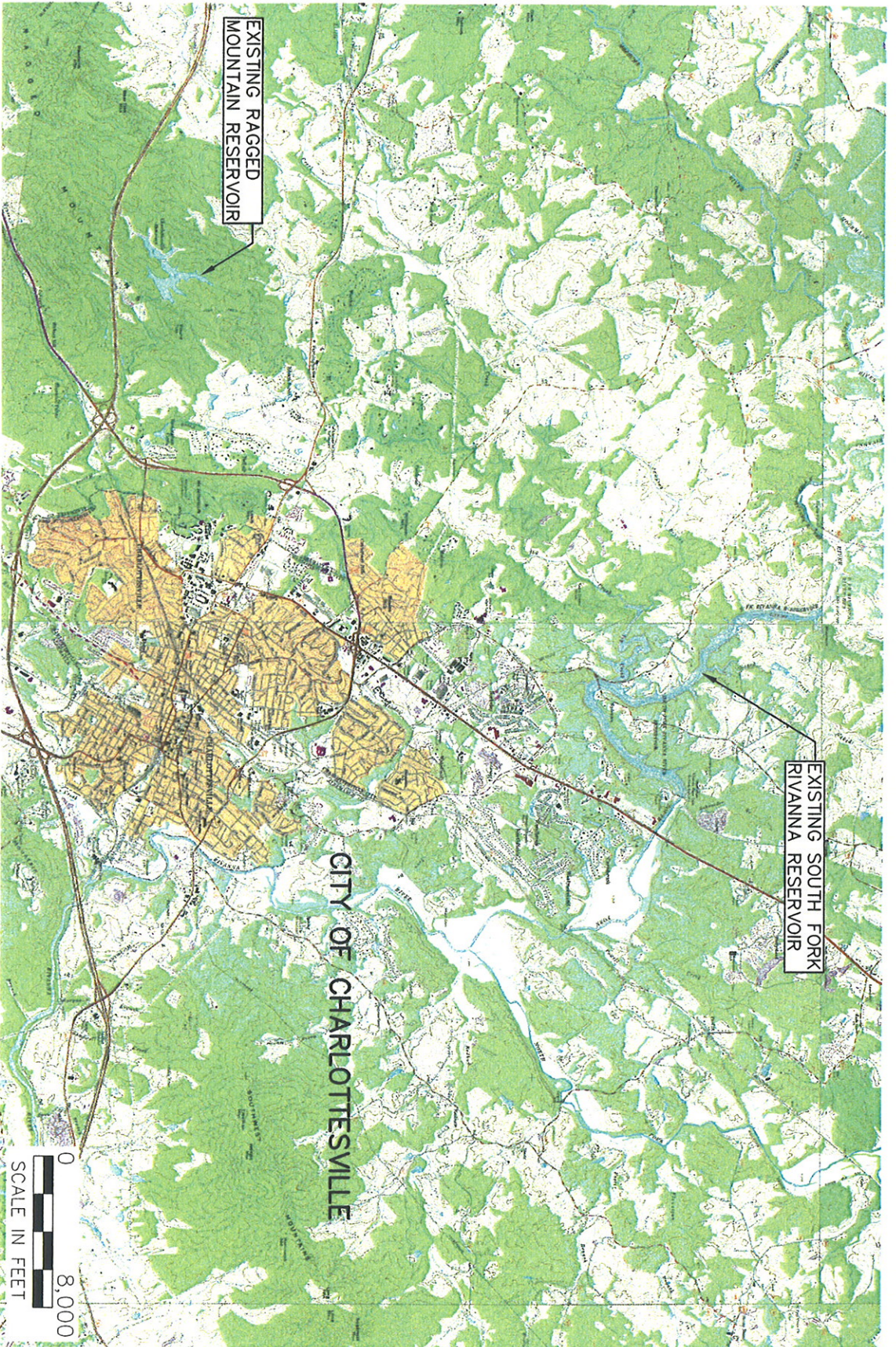
**PURPOSE: WATER SUPPLY TO YEAR 2055**

**APPLICATION BY:**  
RIVANNA WATER &  
SEWER AUTHORITY

**DATE: JUNE 2006**

**SHEET 3 OF 14**





SOURCE: CHARLOTTESVILLE EAST QUADRANGLE & CHARLOTTESVILLE WEST QUADRANGLE



Vanessa Hengen Brustlin, Inc.  
Williamsburg, Virginia 23185



FARIFAX, VA 22033

ADJACENT PROPERTY  
OWNERS:

1. SEE LIST

RIVANNA WATER & SEWER AUTHORITY  
COMMUNITY WATER SUPPLY PROJECT  
U.S.G.S. AREA MAP

AT: RAGGED MOUNTAIN RESERVOIR

IN: ALBEMARLE COUNTY

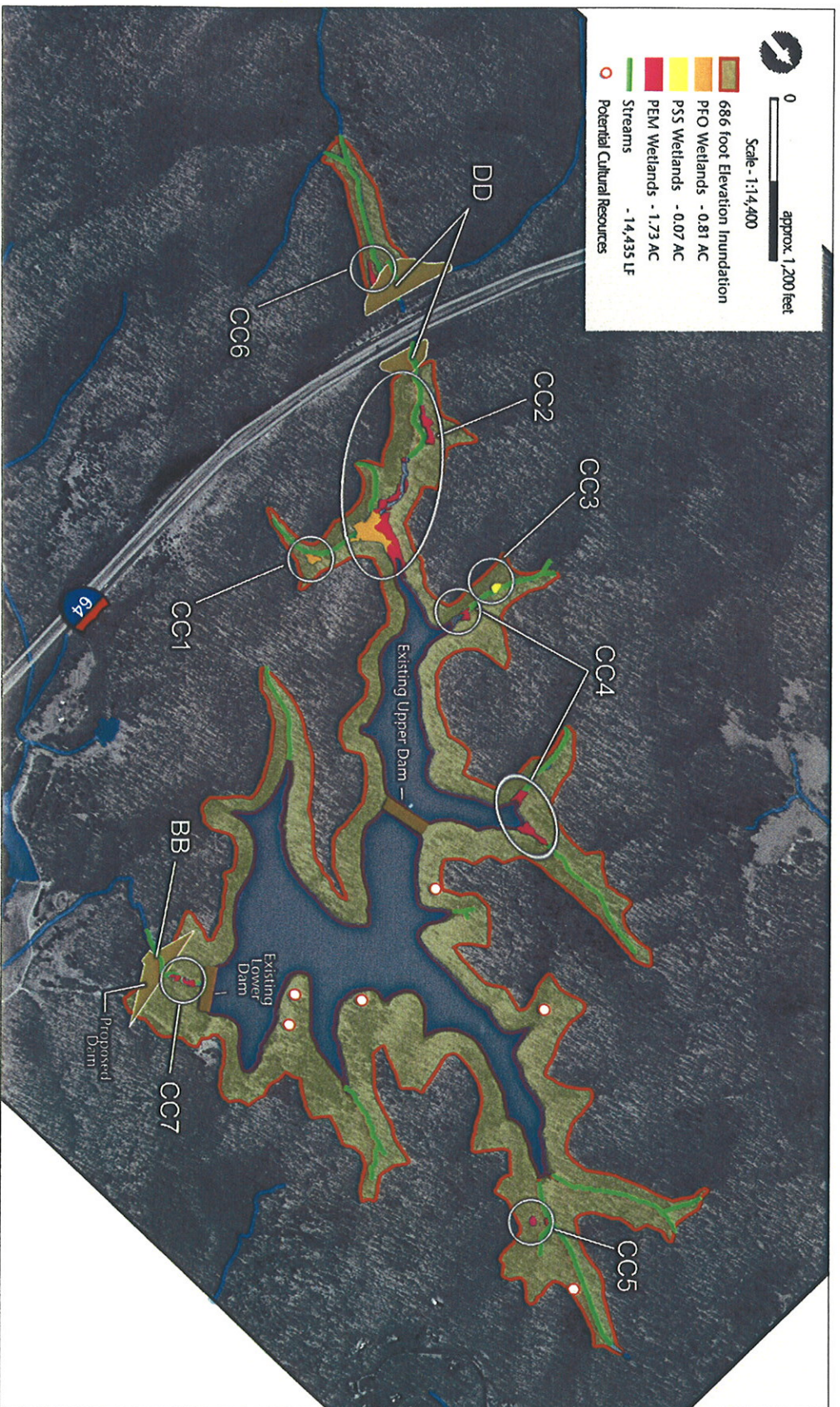
PURPOSE: WATER SUPPLY TO YEAR 2055

APPLICATION BY:  
RIVANNA WATER &  
SEWER AUTHORITY

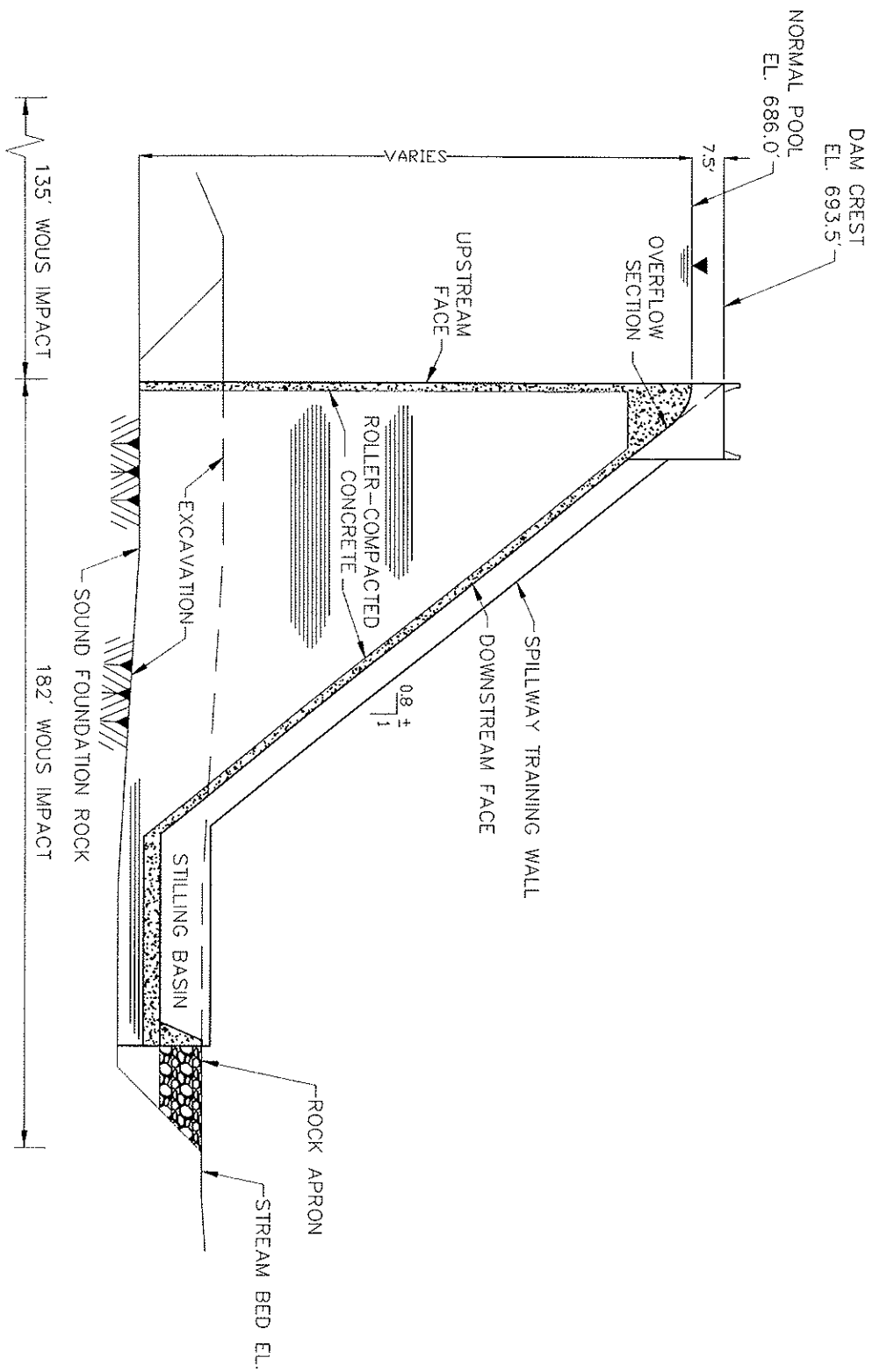
DATE: JUNE 2006

SHEET 1 OF 14





<b>ADJACENT PROPERTY OWNERS:</b> 1. SEE LIST	<b>RIVANNA WATER &amp; SEWER AUTHORITY COMMUNITY WATER SUPPLY PROJECT NEW RAGGED MOUNTAIN DAM - IMPACTS</b>		<b>APPLICATION BY:</b> RIVANNA WATER & SEWER AUTHORITY
	<b>AT: RAGGED MOUNTAIN RESERVOIR IN: ALBEMARLE COUNTY</b>	<b>PURPOSE: WATER SUPPLY TO YEAR 2055</b>	
		<b>DATE: JUNE 2006</b>	
		<b>SHEET 4 OF 14</b>	



**VHB**

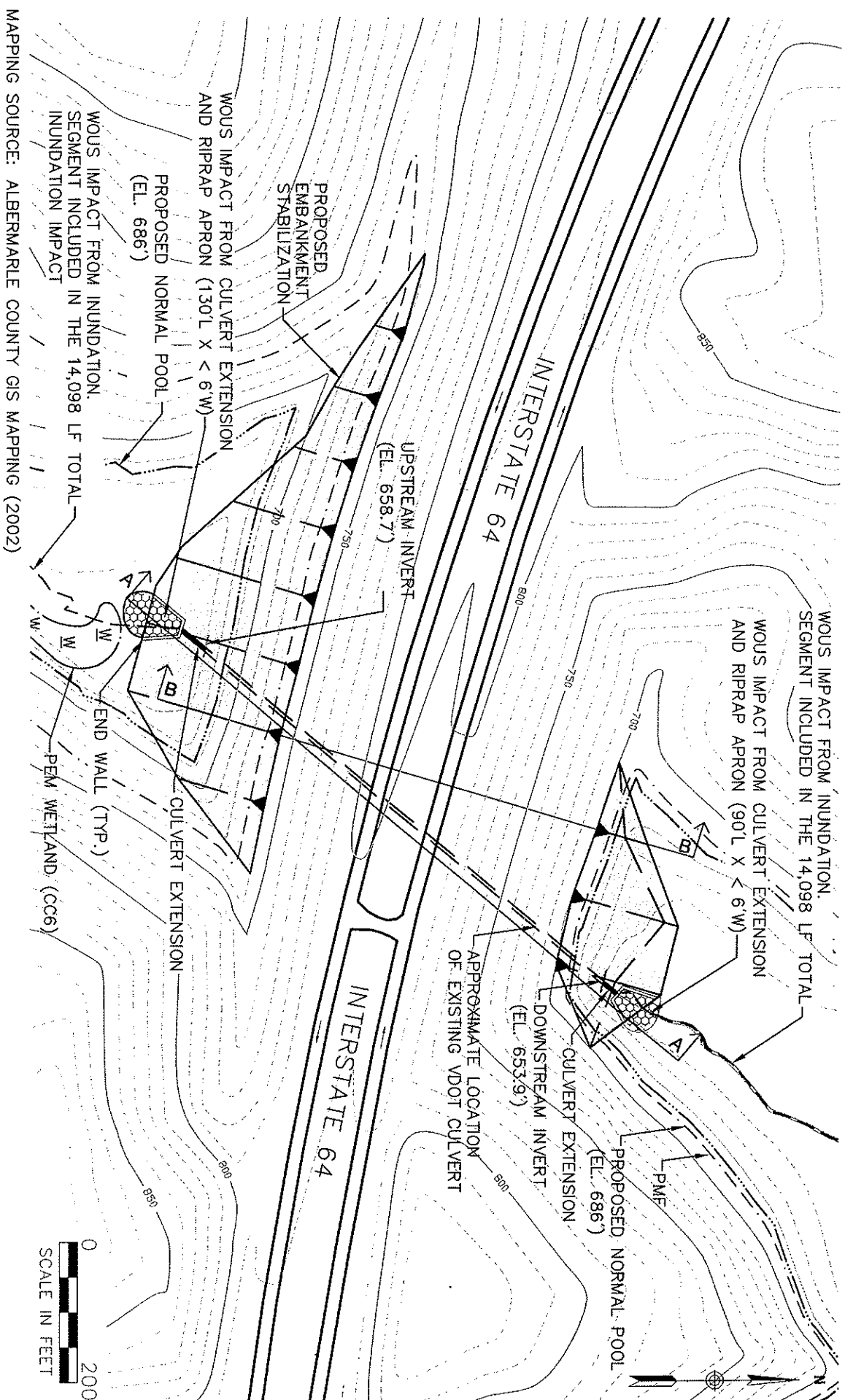
Vanasse Hangen Brustlin, Inc.  
Williamsburg, Virginia 23185



**Gannett Fleming**

FAR/FAX, VA 22083

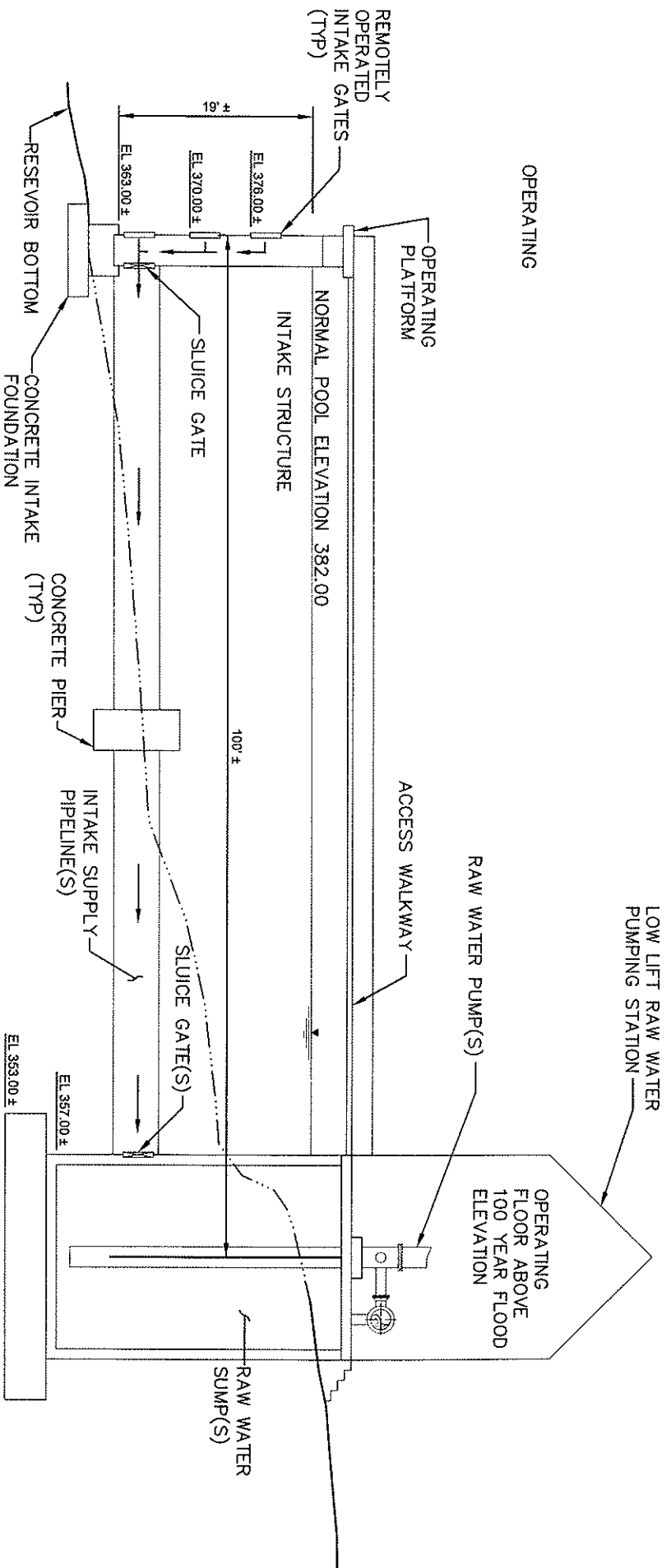
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ADJACENT PROPERTY OWNERS: 1. SEE LIST		RIVANNA WATER & SEWER AUTHORITY COMMUNITY WATER SUPPLY PROJECT PROPOSED RAGGED MOUNTAIN DAM - TYPICAL OVERFLOW SECTION		APPLICATION BY: RIVANNA WATER & SEWER AUTHORITY	
AT: RAGGED MOUNTAIN RESERVOIR IN: ALBEMARLE COUNTY		PURPOSE: WATER SUPPLY TO YEAR 2055		DATE: JUNE 2006	
				SHEET 6 OF 14	



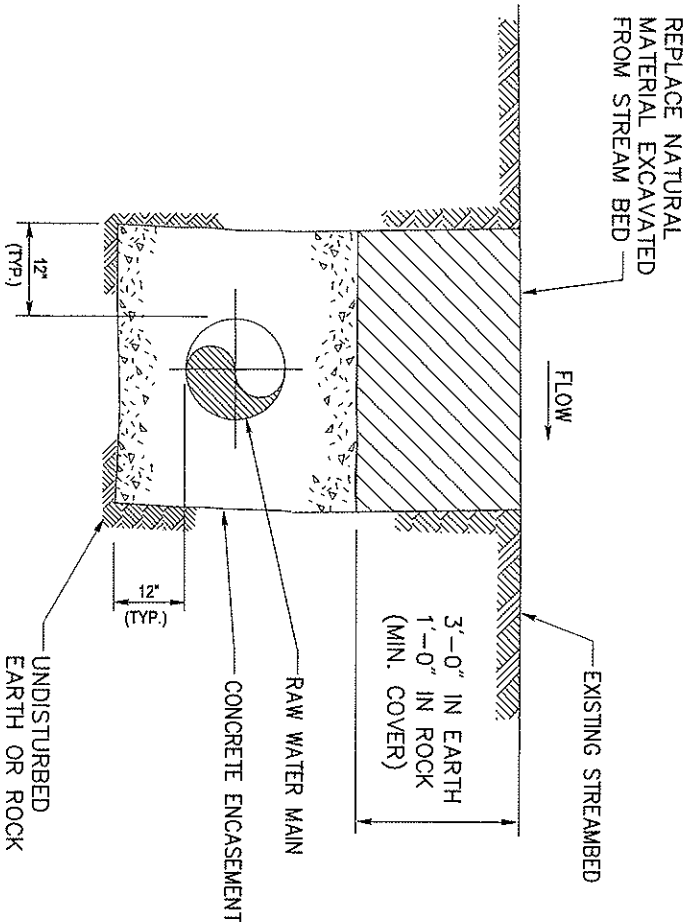
 <b>VHB</b> Varasse Hangan Brustlin, Inc. Williamsburg, Virginia 23185		<b>ADJACENT PROPERTY OWNERS:</b> 1. SEE LIST	
 <b>Gannett Fleming</b> FARMER, VA 22033		<b>RIVANNA WATER &amp; SEWER AUTHORITY COMMUNITY WATER SUPPLY PROJECT I-64 EMBANKMENT IMPROVEMENTS</b>	
<b>AT: RAGGED MOUNTAIN RESERVOIR IN: ALBEMARLE COUNTY</b>		<b>PURPOSE: WATER SUPPLY TO YEAR 2055</b>	
<b>DATE: JUNE 2006</b>		<b>APPLICATION BY: RIVANNA WATER &amp; SEWER AUTHORITY</b>	
<b>SHEET 7 OF 14</b>			



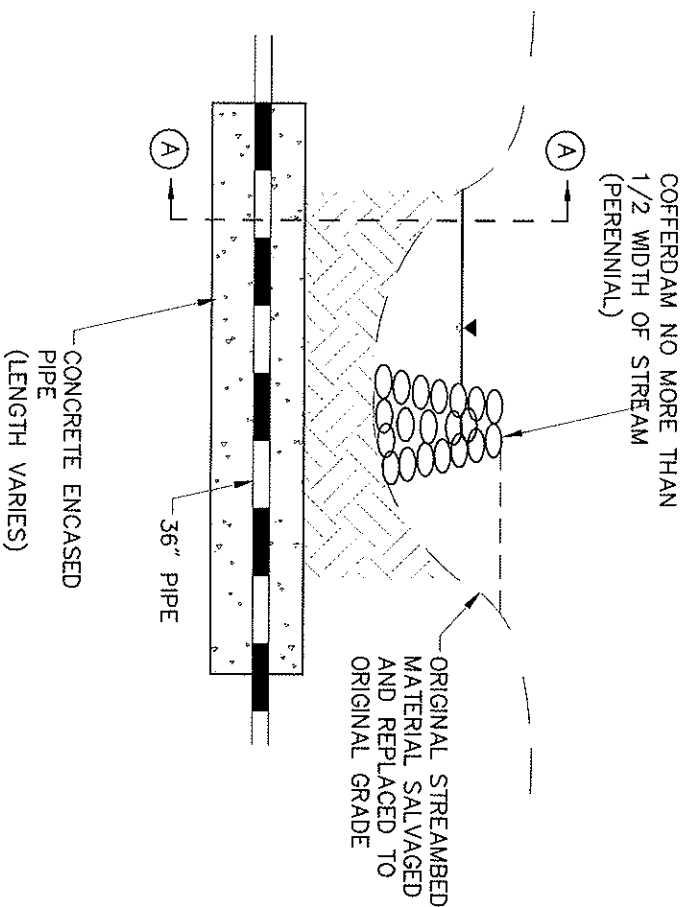


RESERVOIR CONCEPTUAL INTAKE  
AND RAW WATER PUMPING STATION PROFILE  
NTS

<b>VHB</b> Vanasse Hangen Brustlin, Inc. Williamsburg, Virginia 23185		<b>ADJACENT PROPERTY OWNERS:</b> 1. SEE LIST	
<b>Gannett Fleming</b> FAIRFAX, VA 22033		AT: RAGGED MOUNTAIN RESERVOIR IN: ALBEMARLE COUNTY	PURPOSE: WATER SUPPLY TO YEAR 2055
		APPLICATION BY: RIVANNA WATER & SEWER AUTHORITY	DATE: JUNE 2006 SHEET 10 OF 14



TYPICAL PIPE CROSS SECTION AT STREAM CROSSING  
SECTION A-A



TYPICAL PIPE PROFILE AT STREAM CROSSING

<b>VHB</b> Vanasse Hangen Brustlin, Inc. Williamsburg, Virginia 23185	<b>ADJACENT PROPERTY OWNERS:</b> 1. SEE LIST		<b>RIVANNA WATER &amp; SEWER AUTHORITY</b> COMMUNITY WATER SUPPLY PROJECT CONCRETE ENCASEMENT DETAIL AT STREAM CROSSING		<b>APPLICATION BY:</b> RIVANNA WATER & SEWER AUTHORITY	
<b>Gannett Fleming</b> FAIRFAX, VA 22033	<b>AT: RAGGED MOUNTAIN RESERVOIR</b> <b>IN: ALBEMARLE COUNTY</b>		<b>PURPOSE: WATER SUPPLY TO YEAR 2055</b>		<b>DATE: JUNE 2006</b>	
				<b>SHEET 12 OF 14</b>		